

CLAIMS

1. A child safety seat for use on a vehicle seat having a seat cushion and a seat back, the child safety seat comprising:

5 a seat structure having a base support surface for resting on said seat cushion, and a seating surface for a child occupant,

a rigid link attached to the child seat structure solely by a coupling mechanism that permits angular movement of the child seat structure relative to the rigid links about an axis located above the base support surface, and

a releasable connector mounted on the rigid link for engagement with a standard anchorage unit associated with the vehicle seat.

15 2. A child safety seat according to claim 1, wherein the rigid link is L-shaped with a first limb carrying the corresponding connector and a second limb having a free end pivotally attached to the child seat structure.

3. A child safety seat according to claim 2, wherein the height of the pivot location above the base surface is at least 30mm.

4. A child safety seat according to claim 1, wherein the rigid link is connected to the child structure by both a first auxiliary link which has one end attached to the child seat structure by a first pivot joint and another end attached to the rigid link by a second pivot joint and a second auxiliary link which has one end attached to the child seat structure by a third pivot joint located above the first pivot joint and another end attached to the rigid link by a fourth pivot joint located below the second pivot joint.

5. A child safety seat according to claim 4, wherein the rigid link is L-shaped with a first limb carrying the corresponding connector and a second limb having a free end pivotally attached to the child seat structure.

6. A child safety seat for use on a vehicle seat having a seat cushion and a seat back, the child safety seat comprising:

a seat structure having a base support surface for resting on said seat cushion, and a seating surface for a child occupant, said seating surface including a backrest portion,

5 a rigid link projecting from an end of the seat structure opposite to the backrest portion and attached to the child seat structure solely by a coupling mechanism that permits angular movement of the child seat structure relative to the rigid link about a link axis located above
10 the base support surface, and

a releasable connector mounted on the rigid link for engagement with a standard anchorage unit associated with the vehicle seat.

7. A child safety seat according to claim 6, wherein
15 the rigid link is L-shaped with a first limb carrying the corresponding connector and a second limb having a free end pivotally attached to the child seat structure.

8. A child safety seat according to claim 7, wherein
20 the height of the pivot location above the base surface is at least 30mm.

9. A child safety seat according to claim 7, wherein
25 the seat structure comprises a base to which the rigid link is pivotally attached, a seat body pivotally mounted on the base for angular movement about a pivot axis and having the seating surface formed thereon, a first cable guide mounted on the base below said link axis, a second cable guide mounted on the base above said link axis, and a cable having
30 a first end secured to the rigid link below said link axis, said cable extending therefrom round said first cable guide, then round said second cable guide and having a second end secured to said seat body at a location above said pivot axis.

10. A child safety seat according to claim 6, further
35 comprising stop means arranged to restrict the extent of angular movement of the child seat structure relative to the rigid link in a direction such that the bottom of the child seat structure moves towards the releasable connector.

11. A child safety seat according to claim 6, wherein

the rigid link is connected to the backrest portion of the child seat structure at a location remote from the seat portion thereof.

12. A child safety seat according to claim 6, wherein
5 the rigid link is connected to the seat portion of the child seat structure at a location above the support surface and remote from the backrest portion thereof.

13. A child safety seat according to claim 6, wherein
10 the rigid link is connected to the child structure by both a first auxiliary link which has one end attached to the child seat structure by a first pivot joint and another end attached to the rigid link by a second pivot joint and a second auxiliary link which has one end attached to the
15 child seat structure by a third pivot joint located above the first pivot joint and another end attached to the rigid link by a fourth pivot joint located below the second pivot joint.

14. A rearward facing child safety seat for use on a
20 vehicle seat having a seat cushion and a seat back, the child safety seat comprising:

a seat structure having a base support surface for resting on said seat cushion, and a seating surface for a child occupant, said seating surface including a seat portion and a backrest portion,

25 a releasable connector for engagement with an anchorage associated with the vehicle seat,

a link having a first end secured to an anchorage on a part of the backrest portion spaced apart from the seat portion and a second end secured to the releasable
30 connector, and

stop means arranged to restrict the extent of angular movement of the child seat structure relative to the link in a direction such that the bottom of the child seat structure moves towards the releasable connector,

35 wherein the sole attachment of the link to the child seat structure permits angular movement of the child seat structure relative to the link about an axis located above the base support surface.

15. A child safety seat according to claim 14, wherein the link is flexible and the stop means comprises a slot through which the link extends.

5 16. A child safety seat according to claim 14, wherein the link is rigid and the stop means comprises a projection on the seat structure arranged to abut against a complementary formation on the link.

10 17. A child safety seat according to claim 14, wherein the backrest portion has a pair of side wings adapted to extend on each side of a seat occupant's head and the link is attached to one of said side wings.

11 18. A child safety seat according to claim 14, wherein the link is rigid and the stop means comprises a projection on the seat structure arranged to abut against a complementary formation on the link.